

## NZGE Indexes and gBVs - Terminal Sire - Sire Percentile Bands

**NZGE May 2023**

**SIL GE# 40541**

Sires with progeny born in

**2020-2022**

Threshold to be in top X%	NZTW	NZGE Terminal Sire Sub-indexes			NZGE Terminal Sire - estimated Breeding Values (gBV)										
		TSS	TSG	TSM	SUR	WWT	CWT	LW8 <sup>1</sup>	FATY	LEANY <sup>1</sup>	SHLY	LNLV	HQLV	CWY	EMAc <sup>1</sup>
5%	+2686	+343	+1553	+1038	+0.041	+6.69	+3.57	+11.39	-1.315	+0.967	+0.432	+0.118	+0.434	+2.403	+2.021
10%	+2440	+287	+1402	+927	+0.034	+6.03	+3.22	+10.27	-1.139	+0.833	+0.370	+0.100	+0.370	+2.172	+1.716
20%	<b>+2143</b>	<b>+218</b>	<b>+1218</b>	<b>+792</b>	<b>+0.026</b>	<b>+5.23</b>	<b>+2.80</b>	<b>+8.91</b>	<b>-0.926</b>	<b>+0.671</b>	<b>+0.295</b>	<b>+0.077</b>	<b>+0.293</b>	<b>+1.893</b>	<b>+1.347</b>
30%	+1928	+168	+1085	+695	+0.020	+4.65	+2.49	+7.94	-0.772	+0.555	+0.240	+0.061	+0.237	+1.691	+1.081
50%	<b>+1574</b>	<b>+86</b>	<b>+867</b>	<b>+535</b>	<b>+0.010</b>	<b>+3.69</b>	<b>+1.98</b>	<b>+6.32</b>	<b>-0.518</b>	<b>+0.362</b>	<b>+0.151</b>	<b>+0.034</b>	<b>+0.145</b>	<b>+1.358</b>	<b>+0.640</b>
70%	+1219	+5	+648	+375	+0.001	+2.73	+1.48	+4.70	-0.264	+0.169	+0.061	+0.008	+0.053	+1.024	+0.200
80%	+1004	-45	+515	+278	-0.005	+2.15	+1.17	+3.72	-0.110	+0.053	+0.007	-0.008	-0.002	+0.822	-0.066
90%	+707	-114	+331	+143	-0.014	+1.35	+0.75	+2.37	+0.103	-0.109	-0.068	-0.031	-0.079	+0.543	-0.436
95%	+461	-170	+180	+32	-0.020	+0.69	+0.40	+1.25	+0.279	-0.243	-0.130	-0.049	-0.143	+0.312	-0.741
Traits in index or units	Lamb Survival, Lamb Growth, Meat Yield	Lamb Survival	Lamb Growth	Meat Yield	x100 =%	kg	kg	kg	kg fat	kg lean	kg lean	kg lean	kg lean	kg lean	sq. cm
Number of connected flocks	89	138	177	107	138	177	177	177	107	107	107	107	107	107	107
Number of sires	1723	2185	2536	1923	2185	2536	2536	2536	1923	1923	1923	1923	1923	1923	1923

<sup>1</sup>These BVs not used in standard SIL indexes

For an explanation of how to use this table, see the Web Note document on the NZGE web page on the SIL website ([www.sil.co.nz](http://www.sil.co.nz))  
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## NZGE Indexes - Dual Purpose - Sire Percentile Bands

NZGE May 2023

SIL GE # 40541

Sires with progeny born in

2020-2022

Threshold to be in top X%	NZGE Dual Purpose Indexes						NZGE Dual Purpose Sub-indexes										
	NZMW	MW+W	MW+M	MW+F	MW+X	MW+D	DPCR	DPS	DPG	DPA	DPG+DPA	DPM	DPW	DPF	DPX	DPD	DPBC
5%	+3342	+3486	+3890	+3640	+5419	+3348	+933	+1315	+2552	+351	+1947	+1119	+248	+925	+2764	+106	+1211
10%	+3031	+3175	+3521	+3270	+4972	+3032	+801	+1128	+2311	+168	+1743	+946	+211	+729	+2434	+82	+1013
20%	+2654	+2799	+3075	+2823	+4432	+2650	+642	+901	+2019	-54	+1497	+736	+166	+491	+2035	+54	+774
30%	+2382	+2527	+2753	+2500	+4042	+2374	+527	+738	+1809	-214	+1319	+584	+134	+319	+1747	+34	+602
40%	+2150	+2295	+2478	+2225	+3708	+2138	+429	+598	+1629	-350	+1167	+455	+107	+173	+1501	+16	+455
50%	+1933	+2079	+2221	+1967	+3397	+1918	+338	+468	+1460	-478	+1025	+334	+81	+36	+1271	-0	+317
60%	+1716	+1862	+1963	+1710	+3086	+1698	+246	+337	+1292	-606	+883	+213	+55	-101	+1041	-16	+180
70%	+1484	+1630	+1688	+1434	+2752	+1462	+148	+198	+1112	-743	+731	+84	+28	-247	+795	-34	+32
80%	+1212	+1358	+1366	+1111	+2362	+1186	+33	+34	+902	-903	+553	-68	-5	-419	+507	-54	-140
90%	+835	+982	+920	+664	+1822	+804	-126	-192	+610	-1124	+307	-278	-49	-656	+108	-83	-379
95%	+524	+671	+551	+295	+1375	+488	-257	-379	+369	-1308	+103	-451	-86	-853	-222	-106	-576
Traits in Index	Reproduction, Survival, Lamb Growth, Adult size	Reproduction, Survival, Lamb Growth, Adult size, Wool	Reproduction, Survival, Lamb Growth, Adult size, Meat Yield	Reproduction, Survival, Lamb Growth, Adult size, WormFEC	Reproduction, Survival, Lamb Growth, Adult size, Wool, Facial Eczema	Reproduction, Survival, Lamb Growth, Adult size, Dag score	Reproduction *Capped*	Lamb Survival	Lamb Growth	Adult size	Lamb Growth + Adult size	Meat Yield	Wool	Internal parasite resistance - WormFEC	Facial Eczema	Dag score	Body condition score
Number of connected flocks	143	101	98	59	25	66	221	245	265	164	152	135	117	62	26	74	68
Number of sires	4079	3252	3247	1955	1043	2641	4979	5190	5332	4331	4181	3690	3428	1986	1076	2771	2450

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## NZGE Indexes - Dual Purpose+ Wool - Sire Percentile Bands

**NZGE May 2023**

SIL GE # 40541

Sires with progeny born in

**2020-2022**

Threshold to be in top X%	NZGE Dual Purpose MW+Wool Indexes									
	MW+W	MW+W+M	MW+W+F	MW+W+X	MW+W+BC	MW+W+D	MW+W+M+F	MW+W+M+X	MW+W+M+D	MW+W+M+F+X
5%	+3486	+4010	+3763	+5538	+3909	+3484	+4117	+5674	+3932	+5812
10%	+3175	+3644	+3382	+5094	+3555	+3171	+3700	+5220	+3570	+5317
20%	+2799	+3201	+2920	+4556	+3126	+2793	+3194	+4670	+3132	+4716
30%	+2527	+2882	+2586	+4169	+2816	+2520	+2829	+4274	+2817	+4283
40%	+2295	+2610	+2302	+3838	+2552	+2287	+2517	+3935	+2547	+3914
50%	+2079	+2355	+2036	+3528	+2305	+2069	+2226	+3619	+2295	+3568
60%	+1862	+2100	+1770	+3219	+2058	+1851	+1934	+3302	+2043	+3222
70%	+1630	+1827	+1485	+2887	+1794	+1618	+1623	+2964	+1773	+2852
80%	+1358	+1508	+1152	+2500	+1484	+1345	+1258	+2567	+1457	+2420
90%	+982	+1065	+690	+1962	+1055	+967	+752	+2018	+1019	+1819
95%	+671	+700	+308	+1518	+701	+654	+334	+1564	+657	+1324
Traits in Index	Reproduction, Survival, Lamb Growth, Adult size, Wool	Reproduction, Survival, Lamb Growth, Adult size, Wool, Meat Yield	Reproduction, Survival, Lamb Growth, Adult size, Wool, WormFEC	Reproduction, Survival, Lamb Growth, Adult size, Wool, Facial Eczema	Reproduction, Survival, Lamb Growth, Adult size, Wool, Dag score	Reproduction, Survival, Lamb Growth, Adult size, Wool, Body Condition	Reproduction, Survival, Lamb Growth, Adult size, Wool, Meat, WormFEC	Reproduction, Survival, Lamb Growth, Adult size, Wool, Meat, Facial Eczema	Reproduction, Survival, Lamb Growth, Adult size, Wool, Meat, Dag	Reproduction, Survival, Lamb Growth, Adult size, Wool, Meat, WormFEC, Facial eczema
Number of connected flocks	101	78	50	23	49	54	40	22	46	22
Number of sires	3252	2778	1727	1024	2060	2296	1557	1005	2133	1005

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## NZGE gBVs - Dual Purpose - Sire Percentile Bands

**NZGE May 2023**

**SIL GE# 40541**

Sires with progeny born in

**2020-2022**

Threshold to be in top X%	NZGE Dual Purpose - estimated Breeding Values (gBV)															
	NLB	SUR	SURm	WWT	CWT	LW8 <sup>1</sup>	WWTm	EWT	FATY	LEANY <sup>1</sup>	SHLY	LNLY	HQLY	CWY	EMAc <sup>1</sup>	FW12
5%	+0.39	+0.056	+0.042	+5.63	+2.94	+9.41	+3.16	-2.22	-0.916	+0.775	+0.365	+0.118	+0.370	+1.678	+1.639	+0.688
10%	+0.33	+0.048	+0.034	+5.05	+2.66	+8.50	+2.77	-1.06	-0.733	+0.627	+0.297	+0.098	+0.302	+1.424	+1.313	+0.585
20%	<b>+0.26</b>	<b>+0.039</b>	<b>+0.026</b>	<b>+4.36</b>	<b>+2.31</b>	<b>+7.40</b>	<b>+2.30</b>	<b>+0.34</b>	<b>-0.510</b>	<b>+0.448</b>	<b>+0.214</b>	<b>+0.073</b>	<b>+0.220</b>	<b>+1.117</b>	<b>+0.918</b>	<b>+0.460</b>
30%	+0.22	+0.032	+0.019	+3.85	+2.06	+6.60	+1.97	+1.35	-0.350	+0.319	+0.155	+0.056	+0.160	+0.896	+0.633	+0.370
50%	<b>+0.14</b>	<b>+0.021</b>	<b>+0.009</b>	<b>+3.02</b>	<b>+1.65</b>	<b>+5.29</b>	<b>+1.41</b>	<b>+3.03</b>	<b>-0.085</b>	<b>+0.105</b>	<b>+0.056</b>	<b>+0.027</b>	<b>+0.062</b>	<b>+0.530</b>	<b>+0.162</b>	<b>+0.221</b>
70%	+0.06	+0.010	-0.002	+2.19	+1.24	+3.97	+0.86	+4.70	+0.181	-0.108	-0.042	-0.002	-0.036	+0.164	-0.309	+0.072
80%	+0.01	+0.003	-0.008	+1.69	+0.99	+3.18	+0.52	+5.71	+0.341	-0.237	-0.102	-0.020	-0.095	-0.058	-0.594	-0.018
90%	-0.06	-0.006	-0.017	+1.00	+0.65	+2.08	+0.06	+7.12	+0.564	-0.416	-0.184	-0.044	-0.178	-0.365	-0.989	-0.143
95%	-0.12	-0.013	-0.024	+0.42	+0.36	+1.17	-0.33	+8.28	+0.747	-0.564	-0.253	-0.064	-0.246	-0.619	-1.315	-0.246
Units	x100 =%	x100 =%	x100 =%	kg	kg	kg	kg	kg	kg fat	kg lean	kg lean	kg lean	kg lean	kg lean	sq. cm	kg
Number of connected flocks	221	245	245	265	265	265	265	164	135	135	135	135	135	135	135	117
Number of sires	4979	5190	5190	5332	5332	5332	5332	4331	3690	3690	3690	3690	3690	3690	3690	3428

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## NZGE gBVs- Health Traits - Sire Percentile Bands

NZGE May 2023

SIL GE# 40541

Sires with progeny born in

2020-2022

Threshold to be in top X%	NZGE - estimated Breeding Values (gBV) for Health Traits - DP & TS flocks combined								
	FEC1	FEC2	AFEC	DRAGE	RGAIN	LDAG	ADAG	GGT21	BCS
5%	-47.7	-49.3	-65.8	+35.66	+1.96	-0.77	-1.01	-1.24	+0.37
10%	-37.2	-38.1	-53.3	+29.54	+1.62	-0.60	-0.80	-1.09	+0.31
20%	<b>-24.3</b>	<b>-24.4</b>	<b>-38.2</b>	<b>+22.12</b>	<b>+1.21</b>	<b>-0.40</b>	<b>-0.54</b>	<b>-0.91</b>	<b>+0.24</b>
30%	-15.1	-14.6	-27.3	+16.78	+0.92	-0.25	-0.35	-0.78	+0.18
50%	<b>+0.2</b>	<b>+1.7</b>	<b>-9.3</b>	<b>+7.95</b>	<b>+0.43</b>	<b>-0.00</b>	<b>-0.04</b>	<b>-0.57</b>	<b>+0.10</b>
70%	+15.5	+17.9	+8.7	-0.89	-0.05	+0.24	+0.27	-0.36	+0.01
80%	+24.7	+27.8	+19.6	-6.23	-0.35	+0.39	+0.46	-0.23	-0.04
90%	+37.5	+41.4	+34.7	-13.65	-0.75	+0.59	+0.72	-0.05	-0.11
95%	+48.1	+52.7	+47.2	-19.77	-1.09	+0.76	+0.94	+0.10	-0.17
Units	%	%	%	days	kg	score	score		score
Number of connected flocks	63	63	63	4	4	84	84	26	69
Number of sires	1997	1997	1997	219	219	3072	3072	1076	2460

Due to few TS flocks having data on health traits, these figures are for DP and TS flocks combined.

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